

COMMIT INSTRUCTION TO SUPPORT TRANSACTIONAL PROGRAM EXECUTION

ABSTRACT

One embodiment of the present invention provides a system that facilitates executing a commit instruction, which marks the end of a block of instructions to be executed transactionally. Upon encountering the commit instruction during execution of a program, the system successfully completes transactional execution of the block of instructions preceding the commit instruction. Changes made during the transactional execution are not committed to the architectural state of the processor until the transactional execution successfully completes.